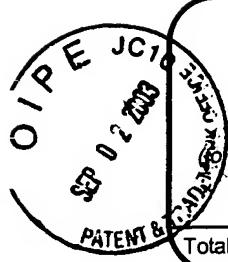


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Total Number of Pages in This Submission

Application Number	10/635,807
Filing Date	August 5, 2003
First Named Inventor	RUBENSTEIN, EDWARD
Art Unit	Unassigned
Examiner Name	Unassigned

Attorney Docket Number 018050-000140US

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Certified Copy of Priority Document(s)	Remarks	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430.	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	Townsend and Townsend and Crew LLP James M. Heslin	Reg. No. 29,541
Signature		
Date	8/26/03	

CERTIFICATE OF TRANSMISSION/MAILING

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08-27-03

TOWNSEND and TOWNSEND and CREW LLP

Edward Masinas
Edward Masinas

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

EDWARD RUBENSTEIN et al.

Application No.: 10/635,807

Filed: August 5, 2003

For: INTERNALLY POWERED CSF
PUMP SYSTEMS AND METHODS

Examiner: Unassigned

Art Unit: Unassigned

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98**

Commissioner for Patents
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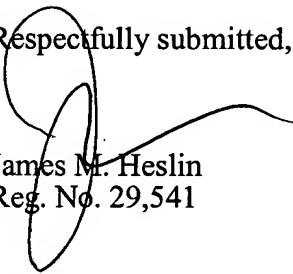
Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. In accordance with 37 CFR §1.98(d), copies of the references can be found in Application Nos. 09/654,967 or 08/901,023, filed 09/05/00 and 07/25/97 (Attorney Docket Nos. 018050-000120US and 018050-000110US, respectively). It is requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

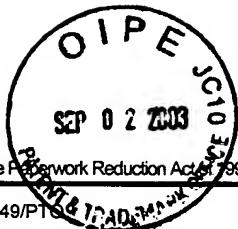
As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,


James M. Heslin
Reg. No. 29,541

TOWNSEND and TOWNSEND and CREW LLP
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Application Number	10/635,807
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Attorney Docket Number	018050-000140US

U.S. PATENT DOCUMENTS

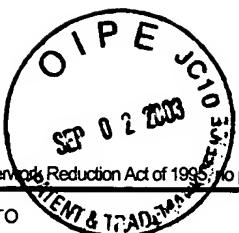
Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
A	3,654,932		04/1972	Newkirk et al.	
B	3,864,259		02/1975	Newhart	
C	3,886,948		06/03/75	Hakim	
D	4,156,422		05/29/79	Hildebrandt et al.	
E	4,261,341		04/1981	Hakim et al.	
F	4,375,816		03/08/83	Labianca	
G	4,560,375		12/24/85	Schulte et al.	
H	4,598,579		07/08/86	Cummings et al.	
I	4,605,395		08/12/86	Rose et al.	
J	4,610,658		09/1986	Buchwald et al.	
K	4,673,384		06/16/87	Marion	
L	4,675,003		06/1987	Hooven	
M	4,681,559		07/1987	Hooven	
N	4,713,065		12/1987	Koot	
O	4,933,156		06/12/90	Quay et al.	
P	4,950,232		08/21/90	Ruzicka et al.	
Q	5,039,511		08/13/91	Quay	
R	5,069,663		12/1991	Sussman	
S	5,167,615		12/1992	East et al.	
T	5,334,315		08/02/94	Matkovich et al.	
U	5,336,166		08/09/94	Sierra	
V	5,368,556		11/1994	Lecuyer	
W	5,385,541		01/31/95	Kirsch et al.	
X	5,387,188		02/07/95	Watson	

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Art Unit	Unassigned
Examiner Name	Unassigned
Attorney Docket Number	018050-000140US

U.S. PATENT DOCUMENTS

CITED PATENT DOCUMENTS					
		Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
Examiner	Cite No. ¹	Number Kind Code ² (if known)			
	Y	5,425,368	06/20/95	Brandt	
	Z	5,462,667	10/31/95	Wollinsky et al.	
	AA	5,601,985	02/11/97	Trojanowski et al.	
	BB	5,643,194	07/1997	Negre	
	CC	5,643,195	07/1997	Drevet et al.	
	AA	5,980,480	11/1999	Rubenstein et al.	

FOREIGN PATENT DOCUMENTS

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Attorney Docket Number	018050-000140US

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ Kind Code ⁵ (# known)			
						T ⁶

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
	AG	Adams et al., "Disturbances of cerebrospinal fluid circulation, including hydrocephalus and meningeal reactions," <i>Principles of Neurology</i> , Fourth Edition, Chapter 30, 1989, pp. 501-502.				
	AH	Adams, R.D. et al., "Symptomatic occult hydrocephalus with 'normal' cerebrospinal-fluid pressure" <i>The New England Journal of Medicine</i> , Vol. 273, No. 3, pages 117-126 (July 15, 1965).				
	AI	Appenzeller, Otto & Salmon, James H., "Treatment of parenchymatous degeneration of the brain by ventriculo-atrial shunting of the cerebrospinal fluid, <i>Journal of Neurosurgery</i> , Volume XXVI, pages 478-482, (January-June 1967).				
	AJ	Arai et al., "Tau in cerebrospinal fluid: a potential diagnostic marker," <i>Ann. Neurology</i> , vol. 38, 1995, pp. 649-652.				
	AK	Bannister, Roger, et al., "Isotope encephalography in the diagnosis of dementia due to communicating hydrocephalus" <i>The Lancet</i> , pgs. 1014-1017, (November 11, 1967).				
	AL	Barnett et al., "Normal pressure hydrocephalus in children and young adults" <i>Neurosurgery</i> (1987) 20(6):904-907.				
	AM	Boon et al., "Does CSF outflow resistance predict the response to shunting in patients with normal pressure hydrocephalus?" <i>Acta Neurochir.</i> (1998) 71:331-333.				
	AN	Boon et al., "Dutch normal-pressure hydrocephalus study: Prediction of outcome after shunting by resistance to outflow of cerebrospinal fluid" <i>J. Neurosurg.</i> (1997) 87:687-693.				
	AO	Bush et al., "Beta A-4 amyloid protein and its precursor in Alzheimer's disease," <i>Pharmac. Tera.</i> , Vol. 56, 1992, pp. 97-117.				

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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴			
	AP		Chen, I.H. et al., "Effectiveness of shunting in patients with normal pressure hydrocephalus predicted by temporary, controlled-resistance, continuous lumbar drainage: a pilot study," <i>Journal of Neurology, Neurosurgery, and Psychiatry</i> , 1994, S/1430-1432.			
	AQ		Clarfield, "Normal-pressure hydrocephalus: Saga or swamp?" <i>JAMA</i> (1989) 262(18):2592-2593.			
	AR		Damasceno et al., "The predictive value of cerebrospinal fluid tap-test in normal pressure hydrocephalus" <i>Arg. Neurologia</i> . (1997) 55(2):179-185.			
	AS		Friedland, "Normal-pressure hydrocephalus and the saga of the treatable dementias" <i>JAMA</i> (1989) 262(18):2577-2581.			
	AT		Golomb et al., "Alzheimer's disease comorbidity in normal pressure hydrocephalus: prevalence and shunt response" <i>J. Neurol. Neurosurg. Psych.</i> (2000) 68:778-781.			
	AU		Graff-Radford et al., "Normal-pressure hydrocephalus" <i>Neurology</i> . (1986) 43:940-942.			
	AV		Gustafson et al., "Recovery in hydrocephalic dementia after shunt operation" <i>J. Neurol. Neurosurg. Psych.</i> (1978) 41:940-947.			
	AW		Hakim et al., "The special clinical problem of symptomatic hydrocephalus with normal cerebrospinal fluid pressure. Observations on cerebrospinal fluid hydrodynamics" <i>J. Neurol. Sci.</i> (1965) 2:307-327.			
	AX		Holodny et al., "Focal dilation and paradoxical collapse of cortical fissures and sulci in patients with normal-pressure hydrocephalus" <i>J. Neurosurg.</i> (1998) 89:742-747.			
	AY		Kaye et al., "Plasticity in the aging brain" <i>Arch Neurol.</i> (1990) 47:1336-1341.			
	AZ		Ko et al., "Cerebrospinal fluid control system" Proceedings of the IEEE, Vol. 76, No. 9, pp. 1226-1235, September 1988.			
	BA		Martinez et al., "Relationship of interleukin-1 beta and beta ₂ -microglobulin with neuropeptides in cerebrospinal fluid of patients with dementia of the Alzheimer type," <i>J. Neuroimmunology</i> , Vol. 48, 1993, pp 235-240.			

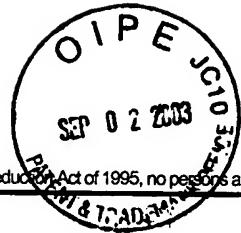
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		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
	BB		Mataró et al., "Cognitive changes after cerebrospinal fluid shunting in young adults with spina bifida and assumed arrested hydrocephalus" <i>J. Neurol. Neurosurg. Psych.</i> (2000) 68:615-621.				
	BC		Mogilner et al., "Hydorcephalus: Does coexistent Alzheimer's disease affect outcome?" <i>Poster Presentation from AANS 1999 New Orleans</i> , http://cnshome.org/abstrats , 2 pages total.				
	BD		Nakamura et al., "Amyloid beta protein levels in cerebrospinal fluid are elevated in early-onset Alzheimer's disease," <i>Ann. Neurology</i> , Vol. 36, 1994, pp. 903-911.				
	BE		Ono et al., "Formation of amyloid-like substance from beta-2-microglobulin in vitro. Role of serum amyloid P component: a preliminary study," <i>Nephron</i> . Vol. 66, 1994, pp. 404-407.				
	BF		Salmon, James H., "Senile and presenile dementia" <i>Geriatrics</i> (December 1969) 24 (12) : 67-72.				
	BG		Shenkin et al., "Ventricular shunting for relief of senile symptoms" <i>JAMA</i> (1973) 225(12):1486-1489.				
	BH		SkinhØj, Erik, "Determination of regional cerebral bloodflow in man" Head injury conference proceedings, held at the University of Chicago Center for Continuing Education with Joseph P. Evans as host. No. 34, pgs. 431-438.				
	BI		Vanneste et al., "Shunting normal-pressure hydrocephalus: Do the benefits outweigh the risks?" <i>Neurol.</i> (1992) 42:54-59.				
	BJ		Vorstrup et al., "Cerebral blood flow in patients with normal-pressure hydrocephalus before and after shunting" <i>J. Neurol.</i> (1987) 66:379-387.				
	BK		Williams et al., "Evaluation of shunt function in patients who are never better, or better than worse after shunt surgery for NPH" <i>Acta Neurochir.</i> (1998) 71:368-370.				
	BL		Williams et al., "Comparison of Pcsf monitoring and controlled CSF drainage diagnose normal pressure hydrocephalus" <i>Acta Neurochir.</i> (1998) 71:328-330.				

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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